SEQUENCE LISTING

<110> RenoMedix Inst. Inc.

<120> Agent for treating prion disease and production method thereof

<130> PCT2185RM

<150> JP2004-100649
<151> 2004-03-30

<160> 41

<170> PatentIn version 3.1

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<220>
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<223> Anti-PrP mAb L chain

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<211> 757
<212> DNA
<213> Artificial Sequence

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<223> Anti-PrP mAb L chain

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<213> Artificial Sequence

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<223> Anti-PrP mAb H chain

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gatgagtatt gatcacagac ccctcaccat gaacttcggg ctcagattga ttttccttgt 180

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catgtattac tgtacaagag taactccata ttggtacttc gatgtctggg gcacagggac 540

cacggtcacc gtctcctcag ccaaaacaac agccccatcg gtctatccac tggccctgt 600

gtgtggaggt acaactggct cctcggtgac tctaggatgc ctggtcaagg gttatttccc 660

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aacgggctga tgctgcacca actgtatcca tcttcccacc atcgagtgag cagttaacat 540

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agagcttcaa caggaatgag tgttaaggat ccgcg 815

<210> 7
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Adapter sequence

<400> 7
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<210> 8

<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Universal primer

<400> 8
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<210> 9
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' RACE primer

<400> 9
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<210> 10
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 10
accctcgagt gagcagttaa catctggagg tg 32

<210> 11
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 11
cgcggatcct taacactcat tcctgttgaa gctctt 36

<210> 12
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<212> DNA
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<223> 5' RACE primer

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<210> 14
<211> 25
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<220>
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<210> 15
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<210> 27
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<220>
<223> PCR primer

<400> 27
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<210> 28
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<220>
<223> Forward primer for RT-PCR

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ccgtccccag cacctgaact cctg 84

<210> 29
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Reverse primer for RT-PCR

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<210> 30
<211> 1443
<212> DNA
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<220>
<223> Chimeric anti-PrP mAb H chain

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ctcctcttcc tgtcaggaac tgcaggtgtc ctctctgagg tccagctgca acagtctgga 120

cctgaggtgg tgaagcctgg ggcttcattg aagataccct gcaaggcttc tggatacaca 180

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taa 1443

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<211> 717
<212> DNA
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<220>
<223> Chimeric anti-PrP mAb L chain

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tcttgcagat ctagtcagag cattgtacat actaatggaa acacctattt agaatggttc 180

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ctgcacaacc actacacgca gaagagcctc tccctgtctc cgggtaaata a 1431

<210> 33
<211> 717
<212> DNA
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb L chain

<400> 33
atggagacag acacactcct gctatgggtg ctgctgctct gggttccagg ttccacaggt 60

gacattgtgc tgacccaatc tccagcttct ttgggtgtgt ctctagggca gagggccacc 120

atatcctgca gagccagtga aagtgttgat agttatggca atagttttat gcactggtac 180

cagcagaaac caggacagcc acccaaagtc ctcatctatc gtgcatccaa tcgagaatct 240

gggatccctg ccaggttcag tggcagtggg tctaggacag acttcaccct caccattaat 300

cctgtggagg ctgatgatgt tgcaacctat tactgtcagc aaagtaatga ggatccgtat 360

acattcggag gggggaccaa gctggaaata aaacgtacgg tggctgcacc atctgtcttc 420

atcttcccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 480

aataacttct atcccagaga ggccaaagta cagtggaagg tggataacgc cctccaatcg 540

ggtaactccc aggagagtgt cacagagcag gacagcaagg acagcaccta cagcctcagc 600

agcaccctga cgctgagcaa agcagactac gagaaacaca aagtctacgc ctgcgaagtc 660

acccatcagg gcctgagctc gcccgtcaca aagagcttca acaggggaga gtgttag 717

<210> 34
<211> 1395
<212> DNA
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb H chain

<400> 34
atggaatgga tctggatctt tctcttcatc ctgtcaggaa ctgcaggtgt ccaatcccag 60

gttcagctgc tgcagtctgg agctgaactg gcgaggcctg gggcttcagt gaagctgtcc 120

tgcaagggtt ctggctacac cttcacaagc tatagtataa gttgggtgaa gcagagaact 180

ggacagggcc ttgagtggat tggagagatt tatcctagaa gtggtaatac ttactacaat 240

gagaagttca aggacaaggc cacactgact gcagacaaat cctccagcac agcgtacatg 300

gagctccgca gcctgacatc tgaggactct gcggtctatt tctgtgcaac ggattacctg 360

tttgcttact ggggccaagg gactctggtc actgtctctg cagcgtcgac caagggccca 420

tcggtcttcc ccctggcacc ctcctccaag agcacctctg ggggcacagc ggccctgggc 480

tgcctggtca aggactactt ccccgaaccg gtgacggtgt cgtggaactc aggcgccctg 540

accagcggcg tgcacacctt cccggctgtc ctacagtcct caggactcta ctccctcagc 600

agcgtggtga ccgtgccctc cagcagcttg ggcacccaga cctacatctg caacgtgaat 660

cacaagccca gcaacaccaa ggtggacaag aaagttgagc ccaaatcttg tgacagaact 720

cacacatgcc caccgtgccc agcacctgaa ctcctggggg gaccgtcagt cttcctcttc 780

ccccccaaaac ccaaggacac cctcatgatc tcccggaccc ctgaggtcac atgcgtggtg 840

gtggacgtga gccacgaaga ccctgaggtc aagttcaact ggtacgtgga cggcgtggag 900

gtgcataatg ccaagacaaa gccgcgggag gagcagtaca acagcacgta ccgggtggtc 960

agcgtcctca ccgtcctgca ccaggactgg ctgaatggca aggagtacaa gtgcaaggtc 1020

tccaacaaag ccctcccagc ccccatcgag aaaaccatct ccaaagccaa agggcagccc 1080

cgagaaccac aggtgtacac cctgccccca tcccgggatg agctgaccaa gaaccaggtc 1140

agcctgacct gcctggtcaa aggcttctat cccagcgaca tcgccgtgga gtgggagagc 1200

aatgggcagc cggagaacaa ctacaagacc acgcctcccg tgctggactc cgacggctcc 1260

ttcttcctct acagcaagct caccgtggac aagagcaggt ggcagcaggg gaacgtcttc 1320

tcatgctccg tgatgcatga ggctctgcac aaccactaca cgcagaagag cctctccctg 1380

tctccgggta aataa 1395

<210> 35
<211> 711
<212> DNA
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb L chain

<400> 35
atggacatga gggctcctgc acagattttt ggcttcttgt tgctcttgtt tccaggtacc 60

agatgtgaca tccagatgac ccagtctcca tcctccttat ctgcctctct gggagaaaga 120

gtcagtctca cttgtcgggc aagtcaggac attggtagta gtttaaactg gcttcaacag 180

gaaccagatg gaactattaa acgcctgatc tacgccacat ccagtttaga ttctggtgtc 240

cccaaaaggt tcagtggcag taggtctggg tcagattatt ctctcaccat cagcagcctt 300

gagtctgaag attttgtaga ctattactgt ctgcaatatg caaaatctcc gtacacgttc 360

ggaggggga ccaagctgga aataaaacgt acggtggctg caccatctgt cttcatcttc 420

ccgccatctg atgagcagtt gaaatctgga actgcctctg ttgtgtgcct gctgaataac 480

ttctatccca gagaggccaa agtacagtgg aaggtggata acgccctcca atcgggtaac 540

tcccaggaga gtgtcacaga gcaggacagc aaggacagca cctacagcct cagcagcacc 600

ctgacgctga gcaaagcaga ctacgagaaa cacaaagtct acgcctgcga agtcacccat 660

cagggcctga gctcgcccgt cacaaagagc ttcaacaggg gagagtgtta g 711

<210> 36
<211> 480
<212> PRT
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb H chain

<400> 36

Met Ser Ser Pro Gln Ala Leu Asn Thr Leu Thr Leu Thr Met Gly Trp
1 5 10 15

Ser Trp Ile Phe Leu Leu Phe Leu Ser Gly Thr Ala Gly Val Leu Ser
20 25 30

Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Val Val Lys Pro Gly Ala
35 40 45

Ser Leu Lys Ile Pro Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
50 55 60

Asn Met Asp Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile
65 70 75 80

Gly Asp Ile Asn Pro Asn Asn Gly Gly Thr Ile Tyr Asn His Asn Phe
85 90 95

Thr Asp Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
100 105 110

Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
115 120 125

Ala Arg Ala Thr Ser Leu Val Asp Phe Asp Tyr Trp Gly Gln Gly Thr
130 135 140

Thr Leu Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
145 150 155 160

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
165 170 175

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
180 185 190

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
195 200 205

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
210 215 220

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
225 230 235 240

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Arg Thr
245 250 255

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
260 265 270

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
275 280 285

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
290 295 300

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
305 310 315 320

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
325 330 335

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
340 345 350

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
355 360 365

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
370 375 380

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
385 390 395 400

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
405 410 415

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
420 425 430

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
435 440 445

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
450 455 460

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
465 470 475 480

<210> 37
<211> 238
<212> PRT
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb L chain

<400> 37

Met Lys Leu Pro Val Arg Leu Leu Val Leu Met Phe Trp Ile Pro Ala
1 5 10 15

Ser Ser Ser Asp Val Leu Met Thr Gln Thr Pro Leu Ser Leu Pro Val
20 25 30

Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Ile
35 40 45

Val His Thr Asn Gly Asn Thr Tyr Leu Glu Trp Phe Leu Gln Lys Pro
50 55 60

Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser
65 70 75 80

Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
85 90 95

Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys
100 105 110

Phe Gln Gly Ser Leu Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu
115 120 125

Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro
130 135 140

Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu
145 150 155 160

Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn
165 170 175

Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser
180 185 190

Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala
195 200 205

Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly
210 215 220

Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230 235

<210> 38
<211> 476
<212> PRT
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb H chain

<400> 38

Met Ser Ile Asp His Arg Pro Leu Thr Met Asn Phe Gly Leu Arg Leu
1 5 10 15

Ile Phe Leu Val Leu Thr Leu Lys Gly Val Gln Cys Asp Val Lys Leu
20 25 30

Val Glu Ser Gly Glu Gly Leu Val Lys Pro Gly Gly Ser Leu Lys Leu
35 40 45

Ser Cys Ala Ala Ser Gly Ile Thr Phe Ser Arg Tyr Ala Met Ser Trp
50 55 60

Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Tyr Ile Ser
65 70 75 80

Ser Gly Gly Asp Tyr Ile Asn Tyr Ala Asp Thr Val Lys Gly Arg Phe
85 90 95

Thr Ile Ser Arg Asp Asn Ala Arg Asn Thr Leu Tyr Leu Gln Met Ser
100 105 110

Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Thr Arg Val Thr
115 120 125

Pro Tyr Trp Tyr Phe Asp Val Trp Gly Thr Gly Thr Thr Val Thr Val
130 135 140

Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser
145 150 155 160

Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys
165 170 175

Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu
180 185 190

Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu
195 200 205

Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr
210 215 220

Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val

225 230 235 240

Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Arg Thr His Thr Cys Pro
245 250 255

Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe
260 265 270

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
275 280 285

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
290 295 300

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
305 310 315 320

Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
325 330 335

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
340 345 350

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
355 360 365

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
370 375 380

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
385 390 395 400

Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
405 410 415

Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
420 425 430

Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
435 440 445

Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
450 455 460

Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
465 470 475

<210> 39
<211> 238
<212> PRT
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb L chain

<400> 39

Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Gly
20 25 30

Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Glu Ser
35 40 45

Val Asp Ser Tyr Gly Asn Ser Phe Met His Trp Tyr Gln Gln Lys Pro
50 55 60

Gly Gln Pro Pro Lys Val Leu Ile Tyr Arg Ala Ser Asn Arg Glu Ser
65 70 75 80

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Arg Thr Asp Phe Thr
85 90 95

Leu Thr Ile Asn Pro Val Glu Ala Asp Asp Val Ala Thr Tyr Tyr Cys
100 105 110

Gln Gln Ser Asn Glu Asp Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu
115 120 125

Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro
130 135 140

Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu
145 150 155 160

Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn
165 170 175

Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser
180 185 190

Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala
195 200 205

Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly
210 215 220

Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230 235

<210> 40
<211> 464
<212> PRT
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb H chain

<400> 40

Met Glu Trp Ile Trp Ile Phe Leu Phe Ile Leu Ser Gly Thr Ala Gly
1 5 10 15

Val Gln Ser Gln Val Gln Leu Leu Gln Ser Gly Ala Glu Leu Ala Arg
20 25 30

Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Gly Ser Gly Tyr Thr Phe
35 40 45

Thr Ser Tyr Ser Ile Ser Trp Val Lys Gln Arg Thr Gly Gln Gly Leu
50 55 60

Glu Trp Ile Gly Glu Ile Tyr Pro Arg Ser Gly Asn Thr Tyr Tyr Asn
65 70 75 80

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Glu Lys Phe Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser
                85                  90                  95

Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Glu Asp Ser Ala Val
            100                 105                 110

Tyr Phe Cys Ala Thr Asp Tyr Leu Phe Ala Tyr Trp Gly Gln Gly Thr
        115                 120                 125

Leu Val Thr Val Ser Ala Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
    130                 135                 140

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
145                 150                 155                 160

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
                165                 170                 175

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
            180                 185                 190

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
        195                 200                 205

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
    210                 215                 220

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Arg Thr
225                 230                 235                 240

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
                245                 250                 255

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
            260                 265                 270

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
        275                 280                 285

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
    290                 295                 300

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
305                 310                 315                 320

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
                325                 330                 335

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
            340                 345                 350

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
        355                 360                 365

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
    370                 375                 380

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
385                 390                 395                 400
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Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
405 410 415

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
420 425 430

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
435 440 445

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
450 455 460

<210> 41
<211> 236
<212> PRT
<213> Artificial Sequence

<220>
<223> Chimeric anti-PrP mAb L chain

<400> 41

Met Asp Met Arg Ala Pro Ala Gln Ile Phe Gly Phe Leu Leu Leu Leu
1 5 10 15

Phe Pro Gly Thr Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
20 25 30

Leu Ser Ala Ser Leu Gly Glu Arg Val Ser Leu Thr Cys Arg Ala Ser
35 40 45

Gln Asp Ile Gly Ser Ser Leu Asn Trp Leu Gln Gln Glu Pro Asp Gly
50 55 60

Thr Ile Lys Arg Leu Ile Tyr Ala Thr Ser Ser Leu Asp Ser Gly Val
65 70 75 80

Pro Lys Arg Phe Ser Gly Ser Arg Ser Gly Ser Asp Tyr Ser Leu Thr
85 90 95

Ile Ser Ser Leu Glu Ser Glu Asp Phe Val Asp Tyr Tyr Cys Leu Gln
100 105 110

Tyr Ala Lys Ser Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
115 120 125

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
130 135 140

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
145 150 155 160

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
165 170 175

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
180 185 190

Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
195 200 205

Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
210 215 220

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230 235